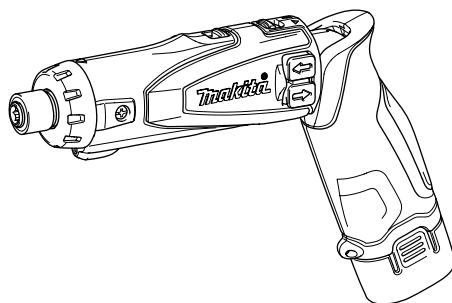


INSTRUCTION MANUAL



In-line Cordless Driver Drill

DF010D



008706

IMPORTANT: Read Before Using.

ENGLISH (Original instructions)

SPECIFICATIONS

Model		DF010D
Capacities	Steel	5 mm
	Wood	6 mm
	Wood screw	ø3.8 mm x 45 mm
	Machine screw	M5
No load speed (min ⁻¹)	High (2)	650
	Low (1)	200
Overall length	Straight type	279 mm
	Pistol type	224 mm
Net weight		0.55 kg
Rated voltage		D.C. 7.2 V

- Due to our continuing program of research and development, the specifications herein are subject to change without notice.
- Specifications and battery cartridge may differ from country to country.
- Weight, with battery cartridge, according to EPTA-Procedure 01/2003

END004-4

ENG900-1

Symbols

The following show the symbols used for the equipment. Be sure that you understand their meaning before use.



- Read instruction manual.



- Only for EU countries

Do not dispose of electric equipment or battery pack together with household waste material!

In observance of European Directive 2002/96/EC on waste electric and electronic equipment, 2006/66/EC on batteries and accumulators and waste batteries and accumulators and their implementation in accordance with national laws, electric equipment and battery pack that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

ENE034-1

Intended use

The tool is intended for drilling and screw driving in wood, metal and plastic.

ENG905-1

Noise

The typical A-weighted noise level determined according to EN60745:

Sound pressure level (L_{pA}) : 70 dB (A) or less
Uncertainty (K) : 3 dB (A)

The noise level under working may exceed 80 dB (A)

Wear ear protection

Vibration

The vibration total value (tri-axial vector sum) determined according to EN60745:

Work mode: drilling into metal
Vibration emission ($a_{h,D}$) : 2.5 m/s² or less
Uncertainty (K) : 1.5 m/s²

ENG901-1

- The declared vibration emission value has been measured in accordance with the standard test method and may be used for comparing one tool with another.
- The declared vibration emission value may also be used in a preliminary assessment of exposure.

⚠WARNING:

- The vibration emission during actual use of the power tool can differ from the declared emission value depending on the ways in which the tool is used.
- Be sure to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).

ENH101-17

For European countries only

EC Declaration of Conformity

Makita declares that the following Machine(s):

Designation of Machine:

In-line Cordless Driver Drill

Model No./ Type: DF010D

Conforms to the following European Directives:

2006/42/EC

They are manufactured in accordance with the following standard or standardized documents:

EN60745

The technical file in accordance with 2006/42/EC is available from:

Makita, Jan-Baptist Vinkstraat 2, 3070, Belgium

31.12.2013



000331

Yasushi Fukaya
Director

Makita, Jan-Baptist Vinkstraat 2, 3070, Belgium

GEA006-2

General Power Tool Safety Warnings

⚠ WARNING Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

Work area safety

1. **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
2. **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
3. **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

Electrical safety

4. **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
5. **Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
6. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.

7. **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
8. **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
9. **If operating a power tool in a damp location is unavoidable, use a ground fault circuit interrupter (GFCI) protected supply.** Use of an GFCI reduces the risk of electric shock.

Personal safety

10. **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
11. **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
12. **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
13. **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
14. **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
15. **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing, and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
16. **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.

Power tool use and care

17. **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.

18. **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
19. **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
20. **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
21. **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
22. **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
23. **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.

Battery tool use and care

24. **Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
25. **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
26. **When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another.** Shorting the battery terminals together may cause burns or a fire.
27. **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.** Liquid ejected from the battery may cause irritation or burns.

Service

28. **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.

29. **Follow instruction for lubricating and changing accessories.**
30. **Keep handles dry, clean and free from oil and grease.**

GEB088-1

CORDLESS DRIVER DRILL SAFETY WARNINGS

1. **Use auxiliary handle(s), if supplied with the tool.** Loss of control can cause personal injury.
2. **Hold power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring.** Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
3. **Hold power tool by insulated gripping surfaces, when performing an operation where the fastener may contact hidden wiring.** Fasteners contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
4. **Always be sure you have a firm footing.** Be sure no one is below when using the tool in high locations.
5. **Hold the tool firmly.**
6. **Keep hands away from rotating parts.**
7. **Do not leave the tool running. Operate the tool only when hand-held.**
8. **Do not touch the drill bit or the workpiece immediately after operation; they may be extremely hot and could burn your skin.**
9. **Some material contains chemicals which may be toxic. Take caution to prevent dust inhalation and skin contact. Follow material supplier safety data.**

SAVE THESE INSTRUCTIONS.

WARNING:

DO NOT let comfort or familiarity with product (gained from repeated use) replace strict adherence to safety rules for the subject product. **MISUSE** or failure to follow the safety rules stated in this instruction manual may cause serious personal injury.

IMPORTANT SAFETY INSTRUCTIONS

FOR BATTERY CARTRIDGE

- Before using battery cartridge, read all instructions and cautionary markings on (1) battery charger, (2) battery, and (3) product using battery.
- Do not disassemble battery cartridge.
- If operating time has become excessively shorter, stop operating immediately. It may result in a risk of overheating, possible burns and even an explosion.
- If electrolyte gets into your eyes, rinse them out with clear water and seek medical attention right away. It may result in loss of your eyesight.
- Do not short the battery cartridge:
 - Do not touch the terminals with any conductive material.
 - Avoid storing battery cartridge in a container with other metal objects such as nails, coins, etc.
 - Do not expose battery cartridge to water or rain.

A battery short can cause a large current flow, overheating, possible burns and even a breakdown.
- Do not store the tool and battery cartridge in locations where the temperature may reach or exceed 50 °C (122 °F).
- Do not incinerate the battery cartridge even if it is severely damaged or is completely worn out. The battery cartridge can explode in a fire.
- Be careful not to drop or strike battery.
- Do not use a damaged battery.

SAVE THESE INSTRUCTIONS.

Tips for maintaining maximum battery life

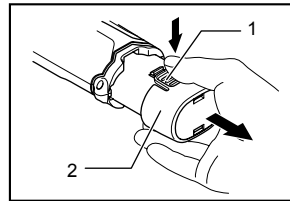
- Charge the battery cartridge before completely discharged.
Always stop tool operation and charge the battery cartridge when you notice less tool power.
- Never recharge a fully charged battery cartridge.
Overcharging shortens the battery service life.
- Charge the battery cartridge with room temperature at 10 °C - 40 °C (50 °F - 104 °F). Let a hot battery cartridge cool down before charging it.
- Charge the battery cartridge once in every six months if you do not use it for a long period of time.

FUNCTIONAL DESCRIPTION

⚠CAUTION:

- Always be sure that the tool is switched off and the battery cartridge is removed before adjusting or checking function on the tool.

Installing or removing battery cartridge

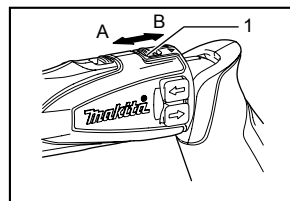


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- Button
- Battery cartridge

- Always switch off the tool before insertion or removal of the battery cartridge.
- To remove the battery cartridge, withdraw it from the tool while pressing the buttons on both sides of the cartridge.
- To insert the battery cartridge, align the tongue on the battery cartridge with the groove in the housing and slip it into place. Always insert it all the way until it locks in place with a little click. If not, it may accidentally fall out of the tool, causing injury to you or someone around you.
- Do not use force when inserting the battery cartridge. If the cartridge does not slide in easily, it is not being inserted correctly.

Lock button



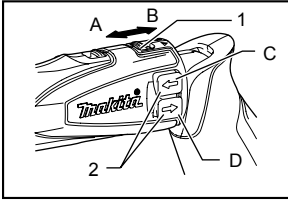
008708

- Lock button

When the lock button is in the locked position B, the switch cannot be actuated.

When the lock button is in the unlocked position A, the switch can be actuated.

Switch action



008711

1. Lock button
2. Switch

⚠CAUTION:

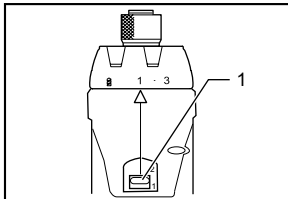
- Before inserting the battery cartridge into the tool, always check to see that the switch actuates properly and returns to the "OFF" position when released.

To start the tool, first move the lock button to the unlocked position A to release the switch. And then simply push the switch on the ⇐ C side for the clockwise rotation and the ⇒ D side for the counterclockwise rotation. Release the switch to stop.

⚠CAUTION:

- Always check the direction of rotation before operation.
- Change the direction only after the tool comes to a complete stop. Changing the direction of rotation before the tool stops may damage the tool.
- When not operating the tool, always place the lock button in the locked position B.

Speed change



008712

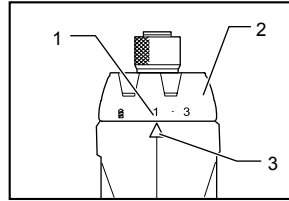
1. Speed change lever

To change the speed, first switch off the tool and then slide the speed change lever to the "2" side for high speed or "1" side for low speed. Be sure that the speed change lever is set to the correct position before operation. Use the right speed for your job.

⚠CAUTION:

- Always set the speed change lever fully to the correct position. If you operate the tool with the speed change lever positioned halfway between the "1" side and "2" side, the tool may be damaged.
- Do not use the speed change lever while the tool is running. The tool may be damaged.

Adjusting the fastening torque



008713

1. Graduation
2. Adjusting ring
3. Pointer

The fastening torque can be adjusted in 21 steps by turning the adjusting ring so that its graduations are aligned with the pointer on the tool body. The fastening torque is minimum when the number 1 is aligned with the pointer, and maximum when the 21 marking is aligned with the pointer.

The clutch will slip at various torque levels when set at the number 1 to 21. The clutch is designed not to slip at the 21 marking.


Before actual operation, drive a trial screw into your material or a piece of duplicate material to determine which torque level is required for a particular application.

NOTE:

- See the following chart for the relation between the number of torque setting and fastening torque rate.

The fastening torque rate will be different depends on materials. Make a test fastening to get the desired torque before operation.

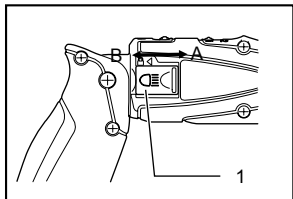
Guideline for clutch auto-stop

Work range of clutch auto-stop		Increments on adjusting ring for fastening torque	Fastening torque
High speed	Low speed		
Clutch auto-stop works		1	Approx. 0.3 N·m (Approx. 3 Kgf-cm)
		5	Approx. 0.82 N·m (Approx. 8.4 Kgf-cm)
		9	Approx. 1.35 N·m (Approx. 13.8 Kgf-cm)
		13	Approx. 1.88 N·m (Approx. 19.2 Kgf-cm)
		17	Approx. 2.41 N·m (Approx. 24.6 Kgf-cm)
		21	Approx. 2.9 N·m (Approx. 30 Kgf-cm)
Clutch auto-stop does not work			Low speed Approx. 5 N·m (Approx. 49 Kgf-cm)
			High speed Approx. 1.5 N·m (Approx. 14.7 Kgf-cm)

When driving machine screws	Increments	Guideline for machine screw diameter
	1 - 3	2.5 mm
	4 - 8	3 mm
	9 - 18	4 mm
	19 - 21	5 mm

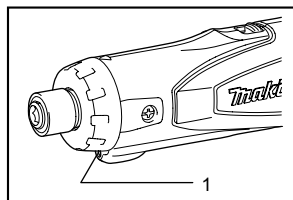
013465

Lighting up the front lamp



006715

1. Lamp switch



006716

1. Lamp

⚠ CAUTION:

- Do not look in the light or see the source of light directly. To turn on the light, slide the lamp switch to the A position. To turn off the light, slide the lamp switch to B position. Even if you leave the lamp on, the light will automatically turn off after 5 minutes.

Checking the remaining battery capacity, auto-stop

The lamp signals by flickering when the battery power is almost used up during use..

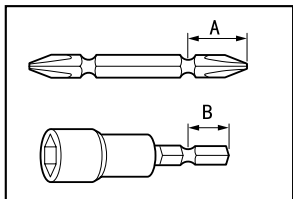
At this time, recharge the battery or replace the battery with a fully charged one.

ASSEMBLY

⚠ CAUTION:

- Always be sure that the lock button is in the locked position B and the battery cartridge is removed before carrying out any work on the tool.

Installing or removing driver bit or socket bit



004521

Use only the driver bit or socket bit shown in the figure. Do not use any other driver bit or socket bit.

For European and North & South American countries, Australia and New Zealand

A=12mm B=9mm	Use only these type of bit. Follow the procedure (1). (Note) Bit-piece is not necessary.
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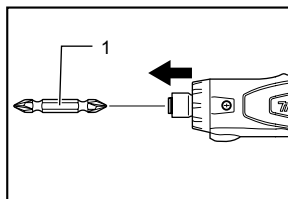
006348

For other countries

A=17mm B=14mm	To install these types of bits, follow the procedure (1). (Note) Makita bits are these types.
A=12mm B=9mm	To install these types of bits, follow the procedure (2). (Note) Bit-piece is necessary for installing the bit.

006349

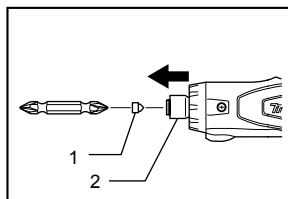
- To install the bit, pull the sleeve in the direction of the arrow and insert the bit into the sleeve as far as it will go. Then release the sleeve to secure the bit.



006709

1. Bit

- To install the bit, pull the sleeve in the direction of the arrow and insert the bit-piece and bit into the sleeve as far as it will go. The bit-piece should be inserted into the sleeve with its pointed end facing in. Then release the sleeve to secure the bit.



008710

1. Bit-piece
2. Sleeve

To remove the bit, pull the sleeve in the direction of the arrow and pull the bit out firmly.

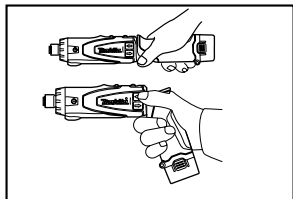
NOTE:

- If the bit is not inserted deep enough into the sleeve, the sleeve will not return to its original position and the bit will not be secured. In this case, try re-inserting the

bit according to the instructions above.

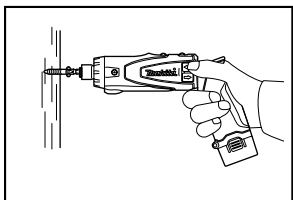
OPERATION

The tool can be used in two ways; a straight type and a pistol type which is selectable according to the conditions of workplace and screwdriving.



008717

Screwdriving operation



008714

⚠CAUTION:

- Adjust the adjusting ring to the proper torque level for your work.

Place the point of the driver bit in the screw head and apply pressure to the tool. Then switch the tool on. When the clutch cuts in, the motor will stop automatically. Then release the switch.

⚠CAUTION:

- Make sure that the driver bit is inserted straight in the screw head, or the screw and/or bit may be damaged.


NOTE:

- When driving wood screws, predrill pilot holes to make driving easier and to prevent splitting of the workpiece. See the chart.

Nominal diameter of wood screw (mm)	Recommended size of pilot hole (mm)
3.1	2.0 - 2.2
3.5	2.2 - 2.5
3.8	2.5 - 2.8
4.5	2.9 - 3.2
4.8	3.1 - 3.4
5.1	3.3 - 3.6
5.5	3.7 - 3.9
5.8	4.0 - 4.2
6.1	4.2 - 4.4

006421

Drilling operation

First, turn the adjusting ring so that the pointer points to the  marking. Then proceed as follows.

Drilling in wood

When drilling in wood, the best results are obtained with wood drills equipped with a guide screw. The guide screw makes drilling easier by pulling the bit into the workpiece.

Drilling in metal

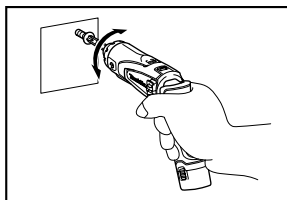
To prevent the bit from slipping when starting a hole, make an indentation with a center-punch and hammer at the point to be drilled. Place the point of the bit in the indentation and start drilling.

Use a cutting lubricant when drilling metals. The exceptions are iron and brass which should be drilled dry.

⚠CAUTION:

- Pressing excessively on the tool will not speed up the drilling. In fact, this excessive pressure will only serve to damage the tip of your bit, decrease the tool performance and shorten the service life of the tool.
- There is a tremendous force exerted on the tool/bit at the time of hole break through. Hold the tool firmly and exert care when the bit begins to break through the workpiece.
- A stuck bit can be removed simply by setting the reversing switch to reverse rotation in order to back out. However, the tool may back out abruptly if you do not hold it firmly.
- Always secure small workpieces in a vise or similar hold-down device.
- If the tool is operated continuously until the battery cartridge has discharged, allow the tool to rest for 15 minutes before proceeding with a fresh battery.

Using the tool as a hand screwdriver



008718

Switch off the tool.

Move the lock button to the locked position A.

Turn the tool.

NOTE:

- Use the tool with a fastening torque less than 5 Nm (50 kgf.cm).
- This use is convenient for checking the screwdriving.
- Do not use the tool for work requiring excessive force, such as tightening bolt M6 or bolts greater than M6 or removing rusted screws.

MAINTENANCE

⚠CAUTION:

- Always be sure that the tool is switched off and the battery cartridge is removed before attempting to perform inspection or maintenance.

To maintain product SAFETY and RELIABILITY, repairs, any other maintenance or adjustment should be performed by Makita Authorized Service Centers, always using Makita replacement parts.

⚠CAUTION:

- Never use gasoline, benzine, thinner, alcohol or the like. Discoloration, deformation or cracks may result.

OPTIONAL ACCESSORIES

⚠CAUTION:

- These accessories or attachments are recommended for use with your Makita tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. Only use accessory or attachment for its stated purpose.

If you need any assistance for more details regarding these accessories, ask your local Makita Service Center.

- Drill bits
- Screw bits
- Socket bits
- Bit piece
- Various type of Makita genuine batteries and chargers
- Plastic carrying case

NOTE:

- Some items in the list may be included in the tool package as standard accessories. They may differ from country to country.

[illegible]

Makita Jan-Baptist Vinkstraat 2, 3070, Belgium
Makita Corporation Anjo, Aichi, Japan